

ABSTRACT OF THE DISCLOSURE

A system and method to establish an end-to-end error correcting protocol between two voice band data modems over a network including voice band data relay gateways, where part of the end-to-end connection is via low data rate narrowband network. Using a partial implementation of V.42 LAPM protocol within the data relay gateways, the system allows the independent selection of modulation schemes at each gateway as well as increased user data throughput by removing non-informational data. Flow control of the user data to match the channel rate of the narrowband network may also be provided.